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Effect of Ultraviolet-B on Plants

SEARCH STRATEGY

SET 1 (UV B OR ULTRAVIOLET B) AND PY=1980:1990

0001
Absorption and translocation of some growth regulators by tomato plants growing under UV-B radiation and their effects on fruit quality and yield.
Prudot, A.PFSHA. ; Basiouny, F.M. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 374-376. Includes references. (NAL Call No.: 81 F66).

0002
Action of ultraviolet radiation (UV-B) upon cuticular waxes in some crop plants.
PLANAB. Steinmuller, D. ; Tevini, M. Berlin, W. Ger. : Springer-Verlag. Planta. 1985. v. 164 (4). p. 557-564. ill. Includes references. (NAL Call No.: DNAL 450 P693).

0003
Action of UV-B (ultraviolet-B) radiation on photosynthetic primary reactions in spinach chloroplasts (Spinacia oleracea).
Iwanzik, W.PHPLA. ; Tevini, M.-Dohnt, G.-Voss, M.-Weiss, W. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. July 1983. Presented at the proceedings of the International Workshop on the Effects of Ultraviolet Radiation on Plants, November 1-5, 1982, Delhi, India. v. 58 (3). p. 401-407. Includes references. (NAL Call No.: 450 P564).

0004
Action spectra and their key role in assessing biological consequences of solar UV-B radiation change.
Caldwell, M.M. ; Camp, L.B.-Warner, C.W.-Flint, S.D. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany. 1986. v. 8. p. 87-111. Includes references. (NAL Call No.: DNAL QH540.N3).

0005
Analysis of light-controlled anthocyanin formation in coleoptiles of Zea mays L. The role of UV-B, blue, red and far-red light.
PHCBA. Beggs, C.J. ; Wellmann, E. Oxford : Pergamon Press. Photochemistry and photobiology. Apr 1985. v. 41 (4). p. 481-486. Includes references. (NAL Call No.: DNAL 382 P56).

0006
Characterization of leaf epidermal transmittance and ultraviolet-B attenuation and the influence of light spectrum during growth.
PPHBD7. Kulandaivelu, G. ; Maruthappan, V.M. New Delhi : Society for Plant Physiology and Biochemistry. Plant physiology & biochemistry. 1986. v. 13 (2). p. 82-89. Includes references. (NAL Call No.: DNA QK861.P54).

0007
Comparative study of the action of ultraviolet-C and ultraviolet-B radiation on photosynthetic electron transport (Amaranthus chloroplasts).
Kulandaivelu, G.PHPLA. ; Noorudeen, A.M. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. July 1983. Presented at the proceedings of the International Workshop on the Effects of Ultraviolet Radiation on Plants, November 1-5, 1982, Delhi, India -Literature review. v. 58 (3). p. 389-394. Includes references. (NAL Call No.: 450 P564).

0008
A comparison of the effects of enhanced UV-B radiation on some crop plants exposed to greenhouse and field conditions.
BPPFA. Dumpert, K. ; Knacker, T. Jena, E. Ger. : Gustav Fischer. Biochemie und Physiologie der Pflanzen. 1985. v. 180 (8). p. 599-612. Includes references. (NAL Call No.: DNAL QK710.F5).

0009
DNA damage and its repair in Dictyostelium discoideum irradiated by health lamp light (UV-B).
PHCBA. Okaichi, K. ; Kajitani, N.-Nakajima, K.-Nozu, K.-Ohnishi, T. Oxford : Pergamon Press. Photochemistry and photobiology. July 1989. v. 50 (1). p. 69-73. Includes references. (NAL Call No.: DNAL 382 P56).

0010
The effect of enhanced solar UV-B radiation on motile microorganisms.
Hader, D.P. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany. 1986. v. 8. p. 223-233. ill. Includes references. (NAL Call No.: DNAL QH540.N3).

0011
Effect of near ultraviolet (UV-B and UV-A) rays on insect pathogenic bacteria and viruses and the influence of UV-protectants. Uber die Wirkung von mittel- und langwelligen ultravioletten Strahlen (UV-B und UV-A) auf insektenpathogene bakterien und Viren und deren Beeinflussung durch UV-Schutzstoffe.
Krieg, A. ; Groner, A.-Huber, J.-Matter, M. Stuttgart, Eugen Ulmer. Nachrichtenblatt des Deutschen Pflanzenschutzdienstes. July 1980. v. 32 (7). p. 100-106. ill. 14 ref. (NAL Call No.: 442.9 B832).

0012
Effect of ultraviolet (UV-B) irradiation on infection of roses by Diplocarpon rosae Wolf.
Semeniuk, P. ; Stewart, R.N. Oxford, Pergamon Press. Environmental and experimental botany. Feb 1981. v. 21 (1). p. 45-50. ill. 13 ref. (NAL Call

No.: 450 R11).

0013
Effect of UV-B radiation on biomass production, pigmentation and protein content of marine diatoms.
Dohler, G. Tubingen, W. Ger. : Zeitschrift fur Naturforschung. Zeitschrift fur Naturforschung. Section C. Biosciences. June 1984. v. 39 (6). p. 634-638. Includes references. (NAL Call No.: QH301.Z4).

0014
The effect of UV-B (ultra violet-B) and UV-C (ultra violet-C) radiation on sugar beet leaves (Beta vulgaris).
Bornman, J.F.PROTA. ; Evert, R.F.~Mierzwa, R.J. Wien : Springer. Protoplasma. 1983. v. 117 (1). p. 7-16. ill. Includes references. (NAL Call No.: 442.8 P94).

0015
Effect of UV irradiation on different partial reactions fo the primary processes of photosyntesis.
Renger, G. ; Voss, M.~Graber, P.~Schulze, A. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany. 1986. v. 8. p. 171-184. ill. Includes references. (NAL Call No.: DNAL QH540.N3).

0016
Effectiveness of UV-B radiation on the growth and physiology of field-grown soybean modified by water stress.
PHCBA. Murali, N.S. ; Teramura, A.H. Oxford : Pergamon Press. Photochemistry and photobiology. Aug 1986. v. 44 (2). p. 215-219. Includes references. (NAL Call No.: DNAL 382 P56).

0017
Effects of deletion and enhancement of ultraviolet-B (280-315nm) radiation on plants grown at 3000 m elevation (on pea, potato, radish, and wheat, in the Colorado Rocky Mountains).
Becwar, M.R. ; Moore, F.D. III~Burke, M.J. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 771-774. ill. 19 ref. (NAL Call No.: 81 S012).

0018
Effects of enhanced ultraviolet-B radiation on yield and disease incidence and severity for wheat under field conditions.
Biggs, R.H. ; Webb, P.G. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany. 1986. v. 8. p. 303-311. Includes references. (NAL Call No.: DNAL QH540.N3).

0019
Effects of enhanced UV (ultraviolet)-B radiation (280-320 nm) on ribulose-1,5-bisphosphate carboxylase in pea and soybean (Pisum sativum, Glycine max, inhibition effects on growth and photosynthesis).
Vu, C.V. ; Allen, L.H. Jr.~Garrard, L.A. Oxford : Pergamon Press. Environmental and experimental botany. 1984. v. 24 (2). p. 131-143. Includes references. (NAL Call No.: 450 R11).

0020
Effects of extracellular pH on UV-induced K+ efflux from cultured rose cells.
PLPHA. Huerta, A.J. ; Murphy, T.M. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. June 1989 v. 90 (2). p. 749-753. Includes references. (NAL Call No.: DNAL 450 P692).
Ultraviolet (UV) light causes a specific leakage of K+ from cultured rose cells (Rosa damascena). During K+ efflux, there is also an increase in extracellular HCO3- and acidification of the cell interior. We hypothesized that the HCO3- originated from intracellular hydration of respiratory CO2 and served as a charge balancing mechanism during K+ efflux, the K+ and HCO3- being cotransported out of the cell through specific channels. An alternative hypothesis which would yield similar results would be the countertransport of K+ and H+. To test these hypotheses, we studied the effect of a range of external pH values (pH 5-9), regulated by various methods (pH-stat, 100 millimolar Tris-Mes buffer, or CO2 partial pressure), on the UV-induced K+ efflux. Both UV-C (less than 290 nanometers) and UV-B (290-310 nanometers) induced K+ efflux with a minimum at about pH 6 to 7, and greater efflux at pH values of 5, 8, and 9. Since pH values of 8 and 9 increased instead of reduced the efflux of K+, these data are not consistent with notion that the efflux of K+ is dependent on an influx of H+, a process that would be sensitive to external H+ concentration. We suggest that the effect of pH on K+ efflux may be mediated through the titration of specific K+ -transporting proteins or channels in the plasma membrane. Since we could not detect the presence of carbonic anhydrase activity in cell extracts, we could not use the location of this enzyme to aid in our interpretation regarding the site of hydration of CO2.

0021
Effects of maternal ultraviolet B irradiation on vitamin D content of human milk.
JOPDA. Greer, Frank R. ; Hollis, Bruce W.~Cripps, Derek J.~Tsang, Reginald C. St. Louis : C.V. Mosby. The Journal of pediatrics. Sept 1984. v. 105 (3). p. 431-433. ill. Includes 17 references. (NAL Call No.: DNAL FNC RJ1.A453).

Abstract: A study assessed the effects of a known amount of maternal ultraviolet-B (UVB) light irradiation on the vitamin D content of human milk in 5 white, middle-class, healthy lactating women (ages 26-35). Following whole-body UVB exposure, serum and milk vitamin D3 levels peaked within 48 hours and returned to baseline by day 7. The mean breast milk vitamin D3 peak value was 71 IU/L. The utility and implications of these results are discussed. (wz)

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Effects of supplemental ultraviolet-B radiation on the growth and physiology of field-grown soybean.
EEBOD. Murali, N.S. ; Teramura, A.H. Oxford : Pergamon Journals. Environmental and experimental botany. July 1986. v. 26 (3). p. 233-242. Includes references. (NAL Call No.: DNAL 450 R11).

0023
Effects of supplemental UV-B (ultraviolet B) radiation on primary photosynthetic carboxylating enzymes and soluble proteins in leaves of C3 and C4 (carbon pathways) crop plants (Soybeans, Glycine max, peas, Pisum sativum, tomatoes, Lycopersicon esculentum, sweet maize, Zea mays).
Vu, C.V. ; Allen, L.H. Jr.~Garrard, L.A. Copenhagen, Munksgaard. Physiologia plantarum. May 1982. v. 55 (1). p. 11-16. Includes ref. (NAL Call No.: 450 P564).

0024
Effects of supplemental UV (ultraviolet)-B radiation on growth and leaf photosynthetic reactions of soybean (Glycine max).
Vu, C.V. ; Allen, L.H., Jr.~Garrard, L.A. Copenhagen, Munksgaard. Physiologia plantarum. July 1981. v. 52 (3). p. 353-362. ill. Bibliography p. 361-362. (NAL Call No.: 450 P564).

0025
Effects of ultraviolet-B irradiance on soybean. V. The dependence of plant sensitivity on the photosynthetic photon flux density during and after leaf expansion (Glycine max, role of anatomical and morphological difference and physiological and biochemical processes).
Mirecki, R.M. ; Teramura, A.H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Mar 1984. v. 74 (3). p. 475-480. Includes references. (NAL Call No.: 450 P692).

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Effects of ultraviolet-B irradiance on soybean. VI. Influence of phosphorus nutrition on growth and flavonoid content.
PHPLAI. Murali, N.S. ; Teramura, A.H. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. Apr 1985. v. 63 (4). p. 413-416. Includes references. (NAL Call No.: DNAL 450 P564).

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Effects of ultraviolet-B irradiance on soybean. VII. Biomass and concentration and uptake of nutrients at varying P supply.
JPNUDS. Murali, N.S. ; Teramura, A.H. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1985. v. 8 (2). p. 177-192. Includes 34 references. (NAL Call No.: DNAL QK867.J67).

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Effects of ultraviolet-B irradiances on soybean. I. Importance of photosynthetically active radiation in evaluating ultraviolet-B irradiance effects on soybean and wheat growth.
Teramura, A.H. Copenhagen, Munksgaard. Physiologia plantarum. Feb 1980. v. 48 (2). p. 333-339. ill. 16 ref. (NAL Call No.: 450 P564).

0029
Effects of ultraviolet-B irradiances on soybean. II. Interaction between ultraviolet-B and photosynthetically active radiation on net photosynthesis, dark respiration, and transpiration.
Teramura, A.H. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Mar 1980. v. 65 (3). p. 483-488. ill. 28 ref. (NAL Call No.: 450 P692).

0030
Effects of ultraviolet-B irradiation on plants during mild water stress. I. Effects on diurnal stomatal resistance (Cucumis sativus, cucumbers, Raphanus sativus, radishes).
Teramura, A.H.PHPLA. ; Tevini, M.~Iwanzik, W. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. Feb 1983. v. 57 (2). p. 175-180. Includes references. (NAL Call No.: 450 P564).

0031
Effects of ultraviolet-B irradiation on seedling growth in the Pinaceae.
AJBOAA. Sullivan, J.H. ; Teramura, A.H. Columbus, Ohio : Botanical Society of America. American journal of botany. Feb 1988. v. 75 (2). p. 225-230. Includes references. (NAL Call No.: DNAL 450 AM36).

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The effects of ultraviolet-B radiation on plant competition in terrestrial ecosystems.
Gold, W.G.PHPLA. ; Caldwell, M.M. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. July 1983. Presented at the proceedings of the International Workshop on the Effects of Ultraviolet Radiation on Plants, November 1-5, 1982, Delhi, India ~Literature review. v. 58 (3). p. 435-444. Includes references. (NAL Call No.: 450 P564).

0033
Effects of ultraviolet-B radiation on plants during mild water stress : III. Effects on photosynthetic recovery and growth in soybean / Alan H. Teramura ... (et al.). -.

; Teramura, Alan H. Corvallis, Or. (200 SW 35th St., Corvallis 97333) Environmental Research Laboratory, Office of Research and Development, U.S. E.P.A. Springfield, Va. available from N.T.I.S. 1984. "PB84-23343". leaves 484-492 : ill. ; 28 cm. Bibliography: leaves 491-492. (NAL Call No.: SB205.S7E35).

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Effects of ultraviolet-B radiation on plants during mild water stress. III. Effects on photosynthetic recovery and growth in soybean (Glycine max).
Teramura, A.H. ; Perry, M.C.-Lydon, J.-McIntosh, M.S.-Summers, E.G. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. Apr 1984. v. 60 (4). p. 484-492. Includes references. (NAL Call No.: 450 P564).

0035
Effects of ultraviolet-B radiation on plants during mild water stress. IV. The insensitivity of soybean internal water relations to ultraviolet-B radiation.
PHPLAI. Teramura, A.H. ; Forseth, I.N.-Lydon, J. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. Nov 1984. v. 62 (3). p. 384-389. ill. Includes references. (NAL Call No.: DNAL 450 P564).

0036
Effects of ultraviolet-B radiation on the growth and productivity of field grown soybean.
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Effects of ultraviolet-B radiation on the growth and yield of crop plants.
Teramura, A.H.PHPLA. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. July 1983. Presented at the proceedings of the International Workshop on the Effects of Ultraviolet Radiation on Plants, November 1-5, 1982, Delhi, India -Literature review. v. 58 (3). p. 415-427. Includes references. (NAL Call No.: 450 P564).

0038
Effects of UV-B irradiation on growth and development of different vegetable crops (Light effect, atmospheric pollution, ozone depletion).
Basiouny, F.M.PFSHA. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 356-359. Includes references. (NAL Call No.: 81 F66).

0039
Effects of UV-B on motility and photoorientation in the cyanobacterium, Phormidium uncinatum.
AMICCW. Hader, D.P. Berlin, W. Ger. : Springer International. Archives of microbiology. Nov 1984. v. 140 (1). p. 34-39. ill. Includes references. (NAL Call No.: DNAL 442.8 AR26).

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Effects of UV-B radiation on growth and development of cucumber seedlings.
Tevini, M. ; Iwanzik, W. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany. 1986. v. 8. p. 272-285. Includes references. (NAL Call No.: DNAL QH540.N3).

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Effects of UV-B radiation on photosynthesis.
Sisson, W.B. Berlin, W. Ger. : Springer-Verlag. N.A.T.O. A.S.I (Advanced Study Institute) series. Series G. Ecological sciences. Paper presented at the "Workshop on The Impact of Solar Ultraviolet Radiation upon Terrestial Ecosystems: 1. Agricultural Crops," Sept 27-30, 1983, Windsheim, West Germany.- Literature review. 1986. v. 8. p. 161-169. Includes references. (NAL Call No.: DNAL QH540.N3).

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Effects of UV-B (ultra violet-B) irradiation on sorocarp development of Dictyostelium discoideum (cellular slime mold).
Hader, D.P. Oxford : Pergamon Press. Photochemistry and photobiology. Nov 1983. v. 38 (5). p. 551-555. Includes references. (NAL Call No.: 382 P56).

0043
Effects of UV-B (ultraviolet-B) radiation on plants during mild water stress. II. Effects on growth, protein and flavonoid content (Cucumis sativus, cucumbers, Raphanus sativus, radishes).
Tevini, M.ZSPPA. ; Iwanzik, W.-Teramura, A.H. Stuttgart, W. Ger. : Gustav Fischer. Zeitschrift fur Pflanzenphysiologie = International journal of plant physiology. 1983. v. 110 (5). p. 459-467. Includes references. (NAL Call No.: 450 Z32).

0044
Effects of UV-B (ultraviolet-B) radiation (280-320 nm) on photosynthetic constituents and processes in expanding leaves of soybean (Glycine max (L.) Merr.).
Vu, C.V.EEBOD. ; Allen, L.H. Jr.-Garrard, L.A. Oxford : Pergamon Press. Environmental and experimental botany. Nov 1982. v. 22 (4). p. 465-473. 35 ref. (NAL Call No.: 450 R11).

0045
Effects of UV-C and UV-B on cytomorphology and water permeability of inner epidermal cells of Allium cepa.
PHPLAI. Lichtscheidl-Schultz, I. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. Mar 1985. v. 63 (3). p. 269-276. ill. Includes references. (NAL Call No.: DNAL 450 P564).

0046
Field study of the interaction between solar ultraviolet-B radiation and drought on photosynthesis and growth in soybean.
PLPHA. Sullivan, J.H. ; Teramura, A.H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Jan 1990. v. 92 (1). p. 141-146. Includes references. (NAL Call No.: DNAL 450 P692).
Soybean, Glycine max (L.) Merr. cv Essex, plants were grown in the field in a 2 x 2 factorial design, under ambient and supplemental levels of ultraviolet-B (UV-B) radiation (supplemental daily dose of 5.1 effective kilojoules per square meter) and were either well-watered or subjected to drought. Soil water potentials were reduced to -2.0 megapascals by the exclusion of natural precipitation in the drought plots and were maintained at approximately -0.5 megapascal by supplemental irrigation in well-watered plots. Plant growth and gas exchange characteristics were affected under both drought and supplemental UV-B radiation. Whole-leaf gas exchange analysis indicated that stomatal limitations on photosynthesis were only significantly affected by the combination of UV-B radiation and drought but substrate (ribulose bisphosphate) regeneration limitations were observed under either stress. The combined effect of both drought and UV-B radiation on photosynthetic gas exchange was a reduction in apparent quantum efficiency and the rapid appearance of biochemical limitations to photosynthesis concomitant with reduced diffusional limitations. However, the combination of stresses did not result in additive effects on total plant growth or seed yield compared to reductions under either stress independently.

0047
The greenhouse effect: impacts of ultraviolet-B (UV-B) radiation, carbon dioxide (CO2), and ozone (O3) on vegetation.
ENVPA. Krupa, S.V. ; Kickert, R.N. Essex : Elsevier Applied Science. Environmental pollution. 1989. v. 61 (4). p. 263-393. maps. Includes references. (NAL Call No.: DNAL QH545.A1E52).

0048
Impact of solar ultraviolet-B radiation (290-320 nm) upon marine microalgae.
Worrest, R.C PHPLA. Copenhagen : Scandinavian Society for Plant Physiology. Physiologia plantarum. July 1983. Presented at the proceedings of the International Workshop on the Effects of Ultraviolet Radiation on Plants, November 1-5, 1982, Delhi, India -Literature review. v. 58 (3). p. 428-434. Includes references. (NAL Call No.: 450 P564).

0049
Impact of UV-B radiation on the assimilation of inorganic 15N-nitrogenous compounds by marine diatoms.
Dohler, G. Berlin : Springer Verlag, 1987. Inorganic nitrogen metabolism / edited by W. R. Ulrich. Paper presented at the Advanced Course on Inorganic Nitrogen Metabolism, held at the Universidad de Extremadura in 1986. p. 208-209. (NAL Call No.: DNAL QK898.N6I55).

0050
Induction of phenylpropanoid compounds by UV-B (ultraviolet) irradiation in roots and seedlings and cell cultures from dill (Anethum graveolens L.).
Mohle, B. ; Wellmann, E. Berlin, W. Ger., Springer International. Plant cell reports. 1982. v. 1 (5). p. 183-185. 14 ref. (NAL Call No.: QK725.P54).

0051
Influence of photon flux density in the 400--700 nm (nanometers) waveband on inhibition of photosynthesis by UV-B (ultraviolet-B) (280--320 nm) irradiation in soybean leaves: separation of indirect and immediate effects.
Warner, C.W.PHCBA. ; Caldwell, M.M. Oxford : Pergamon Press. Photochemistry and photobiology. Sept 1983. v. 38 (3). p. 341-346. Includes references. (NAL Call No.: 382 P56).

0052
Influence of UV-B radiation and soluble silicates on the growth and nutrient concentration of sugarcane.
Elawad, S.H. ; Allen, L.H. Jr.-Gascho, G.J. S.l. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1985. v. 44. p. 134-141. Includes references. (NAL Call No.: DNAL 56.9 SO32).

0053
Influence of UV-B (290-320 nm) radiation on photosynthetic 14CO2 fixation of Thalassiosira rotula Meunier.
BPPFA. Dohler, G. Jena, E. Ger. : Gustav Fischer. Biochemie und Physiologie der Pflanzen : BPP. 1989. v. 185 (3/4). p. 221-226. Includes references. (NAL Call No.: DNAL QK710.F5).

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Inhibition of motility and phototaxis in the green flagellate, Eugflena gracilis, by UV-B radiation.
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